

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch

690 Walnut Ave. St. 150

Vallejo, CA 94592-1133

(707) 649-5453

(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-002551**Date Inspected:** 14-May-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 1330**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2230**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name:	N/A			CWI Present:	Yes	No	
Inspected CWI report:	Yes	No	N/A	Rod Oven in Use:	Yes	No	N/A
Electrode to specification:	Yes	No	N/A	Weld Procedures Followed:	Yes	No	N/A
Qualified Welders:	Yes	No	N/A	Verified Joint Fit-up:	Yes	No	N/A
Approved Drawings:	Yes	No	N/A	Approved WPS:	Yes	No	N/A
				Delayed / Cancelled:	Yes	No	N/A
Bridge No:	34-0006			Component:	Tower and OBG Fabrication		

Summary of Items Observed:

Caltrans Quality Assurance (QA) Inspector, Mr. Paul Dawson, arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island, in Shanghai, China, for the purpose of monitoring welding and fabrication of the San Francisco / Oakland Bay Bridge (SFOBB) components. The QA Inspector observed the following:

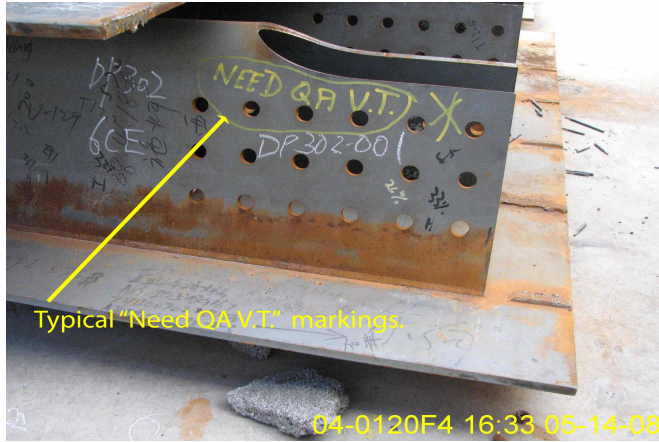
CWI Inspector: N/A

Orthotropic Box Girder (OBG) Fabrication:

This QA Inspector performed a tour of the ZPMC production facility with the purpose of determining the location and status of various orthotropic box girder deck plate components. Caltrans Engineering has provided the QA Department with a list of all deck plates that shows the status of visual and partial penetration ultrasonic inspection of the closed rib welds. The QA Inspector located and used a yellow paint marker to identify "QA VT Required" on approximately twenty (20) deck plates that require QA visual inspection. Many of these deck plates have various degrees of rust on the welds. This information was provided to task Leader Mr. Albert Carreon who is initiating a list of deck panels that have not received QA visual inspections. Starting today the QA Inspector is maintaining an Excel spreadsheet showing the status of visual and ultrasonic deck plates inspections, and this list is being posted on the Caltrans "Team China" common drive which is accessible to Quality Assurance Task Leaders and Structural Materials Representatives. Below is a digital photograph showing the typical "QA VT Required" markings on various deck panels.

WELDING INSPECTION REPORT

(Continued Page 2 of 2)



Summary of Conversations:

See above.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Patrick Lowry (858) 344-2712, who represents the Office of Structural Materials for your project.

Inspected By:	Dawson,Paul	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
